

### Abstract

A method of treating prostate cancer in a living mammal includes local administration of a composition that includes a therapeutically effective concentration of collagenase. In one embodiment, a method of treating prostate cancer in a living mammal includes local administration of a composition that includes a therapeutically effective concentration of collagenase and at least one of a glycosidase, a protease, a nuclease, a lipase, an esterase, a plasminogen activator, a streptokinase, and combinations thereof. Preferably a glycosidase, such as, for example, hyaluronidase, is administered. Compositions used in methods for treating prostate cancer can also include or be administered with calcium ions, a nonionic surfactant, such as, for example, Triton® X-100, and an antibiotic, such as, for example, gentamicin. Another method of treating prostate cancer in a living mammal includes activating PSA *in vivo* by, for example, locally administering calcium ions.

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